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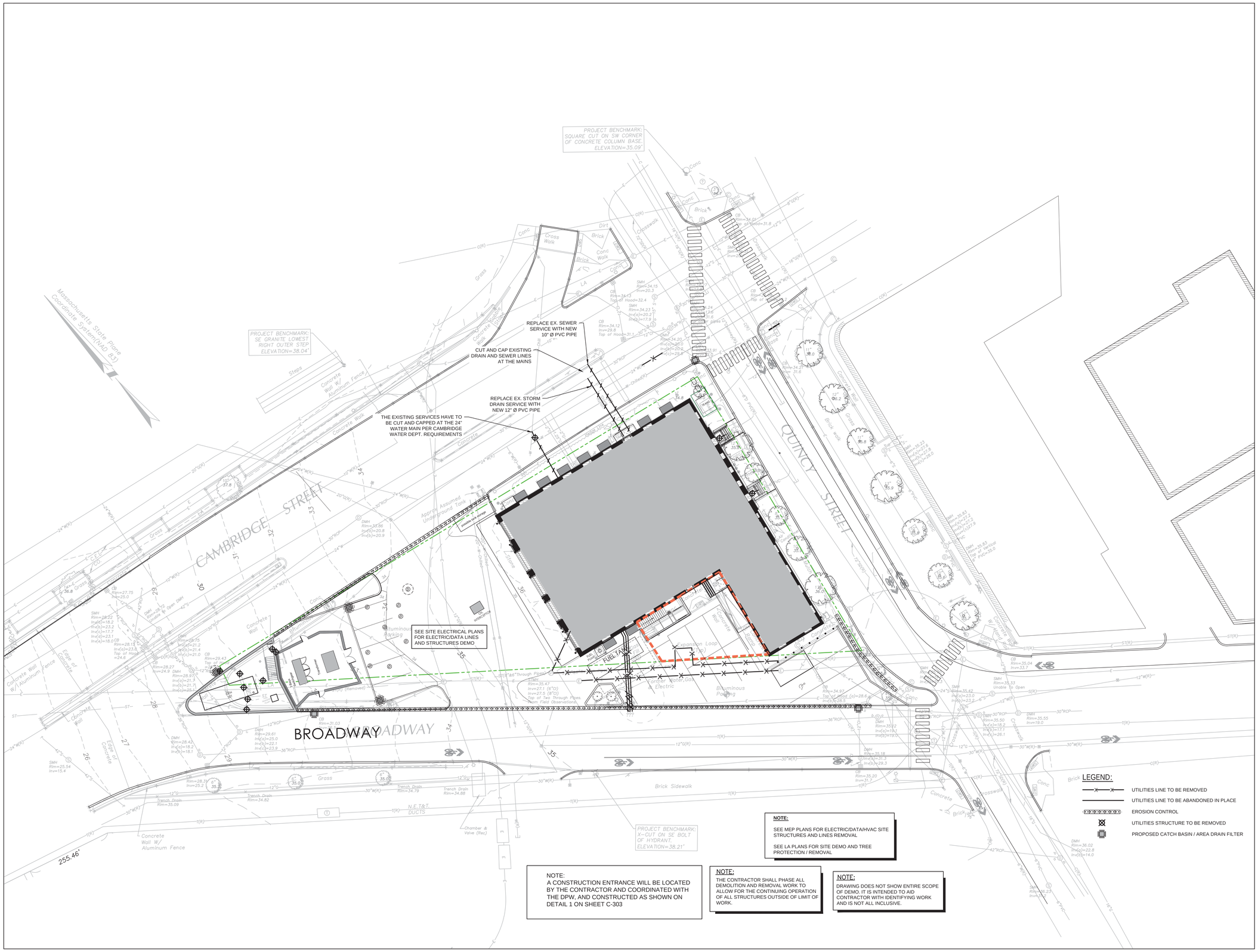

TGAS
THE GALANTE
ARCHITECTURE
STUDIO INC
146 MT AUBURN ST CAMBRIDGE, MA 02138
6 1 7 5 7 6 2 5 0 0
WWW.GALANTEARCHITECTURE.COM

N

Project Number
1921

Project Title
Cambridge Fire
Department HQ,

491 Broadway,
Cambridge,
MA, 02138

samiotes
Samiotes Consultants Inc.
Civil Engineers + Land Surveyors
20 A Street
Framingham, MA 01701
T 508.877.6688
F 508.877.8349
www.samiotes.com

Drawing Title
Soil Erosion Control
and
Site Utilities Demo
Plan

Date/Issued For
12.14.22

100 % Design
Development

NOT FOR
CONSTRUCTION

Print 24 x 36

Scale
1" = 20'

Drawn By
AAZ

Drawing Number
CS-101

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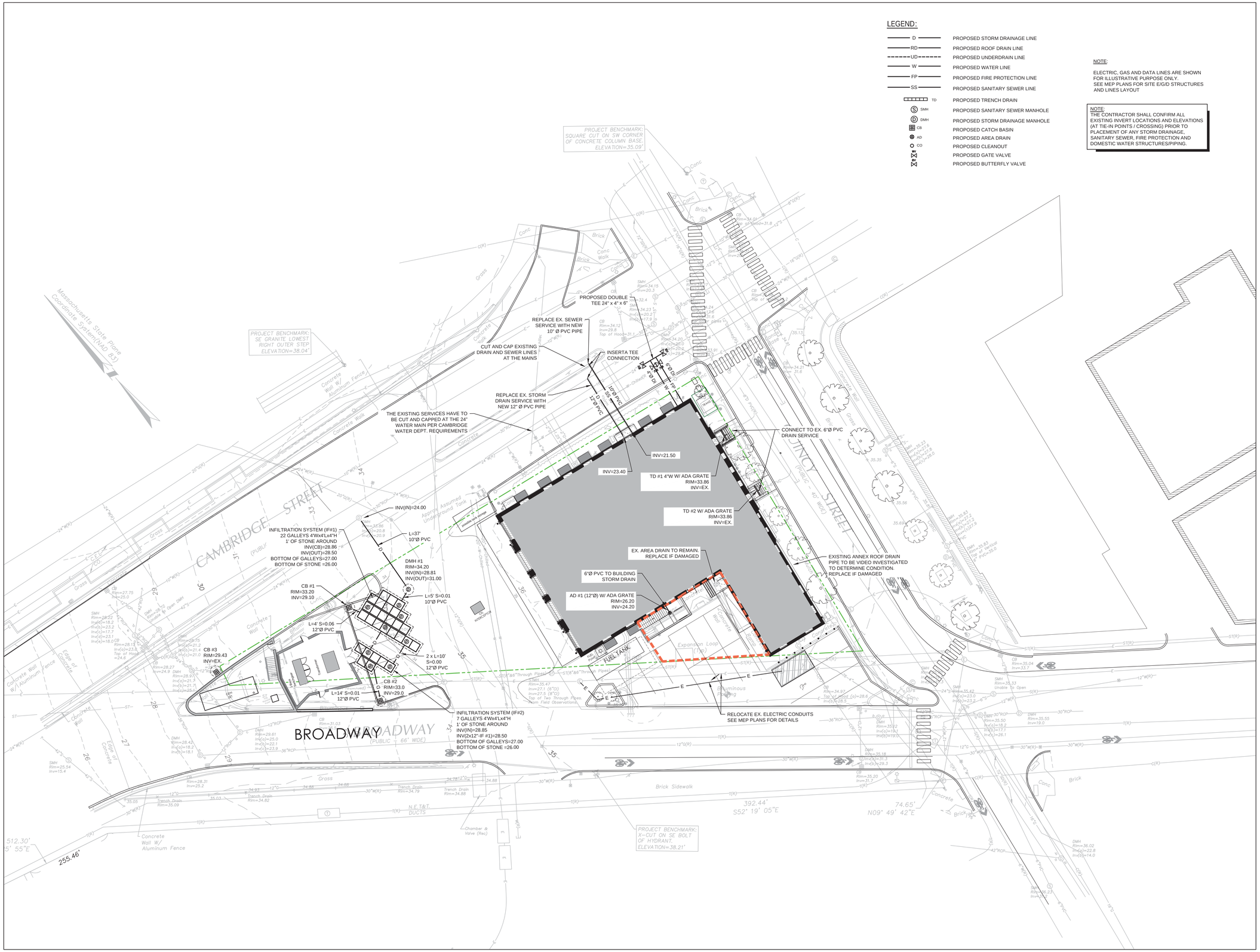
LEGEND:
D PROPOSED STORM DRAINAGE LINE
RD PROPOSED ROOF DRAIN LINE
UD PROPOSED UNDERDRAIN LINE
W PROPOSED WATER LINE
FP PROPOSED FIRE PROTECTION LINE
SS PROPOSED SANITARY SEWER LINE
TD PROPOSED TRENCH DRAIN
SMH PROPOSED SANITARY SEWER MANHOLE
DMH PROPOSED STORM DRAINAGE MANHOLE
CB PROPOSED CATCH BASIN
AD PROPOSED AREA DRAIN
CO PROPOSED CLEANOUT
PROPOSED GATE VALVE
PROPOSED BUTTERFLY VALVE
NOTE:
ELECTRIC, GAS AND DATA LINES ARE SHOWN FOR ILLUSTRATIVE PURPOSE ONLY. SEE MEP PLANS FOR SITE E/G/D STRUCTURES AND LINES LAYOUT
NOTE:
THE CONTRACTOR SHALL CONFIRM ALL EXISTING INVERT LOCATIONS AND ELEVATIONS (AT TIE-IN POINTS / CROSSING) PRIOR TO PLACEMENT OF ANY STORM DRAINAGE, SANITARY SEWER, FIRE PROTECTION AND DOMESTIC WATER STRUCTURES/PIPING.
PROJECT BENCHMARK: SQUARE CUT ON SW CORNER OF CONCRETE COLUMN BASE. ELEVATION=35.09'
PROJECT BENCHMARK: SE GRANITE LOWEST RIGHT OUTER STEP ELEVATION=38.04'
Massachusetts State Plane Coordinate System(NAD 83)
PROPOSED DOUBLE TEE 24" x 4" x 6"
REPLACE EX. SEWER SERVICE WITH NEW 10" Ø PVC PIPE
CUT AND CAP EXISTING DRAIN AND SEWER LINES AT THE MAINS
INSERTA TEE CONNECTION
REPLACE EX. STORM DRAIN SERVICE WITH NEW 12" Ø PVC PIPE
THE EXISTING SERVICES HAVE TO BE CUT AND CAPPED AT THE 24" WATER MAIN PER CAMBRIDGE WATER DEPT. REQUIREMENTS
CONNECT TO EX. 6"Ø PVC DRAIN SERVICE
INV=21.50
INV=23.40
TD #1 4"W W/ ADA GRATE RIM=33.86 INV=EX.
TD #2 W/ ADA GRATE RIM=33.86 INV=EX.
EX. AREA DRAIN TO REMAIN. REPLACE IF DAMAGED
6"Ø PVC TO BUILDING STORM DRAIN
AD #1 (12"Ø) W/ ADA GRATE RIM=26.20 INV=24.20
EXISTING ANNEX ROOF DRAIN PIPE TO BE VIDEO INVESTIGATED TO DETERMINE CONDITION. REPLACE IF DAMAGED
INV(IN)=24.00
INFILTRATION SYSTEM (IF#1) 22 GALLEYS 4'Wx4'Lx4"H 1' OF STONE AROUND INV(CB)=26.86 INV(OUT)=28.50 BOTTOM OF GALLEYS=27.00 BOTTOM OF STONE =26.00
L=37' 10"Ø PVC
DMH #1 RIM=34.20 INV(IN)=28.81 INV(OUT)=31.00
L=5' S=0.01 10"Ø PVC
CB #1 RIM=33.20 INV=29.10
L=4' S=0.06 12"Ø PVC
CB #3 RIM=29.43 INV=EX.
2 x L=10' S=0.00 12"Ø PVC
CB #2 RIM=33.0 INV=29.0
L=14' S=0.01 12"Ø PVC
INFILTRATION SYSTEM (IF#2) 7 GALLEYS 4'Wx4'Lx4"H 1' OF STONE AROUND INV(IN)=28.85 INV(2x12"-IF #1)=28.50 BOTTOM OF GALLEYS=27.00 BOTTOM OF STONE =26.00
RELOCATE EX. ELECTRIC CONDUITS SEE MEP PLANS FOR DETAILS
PROJECT BENCHMARK: X-CUT ON SE BOLT OF HYDRANT. ELEVATION=38.21'
CAMBRIDGE STREET (PUBLIC - 66' WIDE)
BROADWAY (PUBLIC - 66' WIDE)
FUEL TANK
Bituminous Paving
Expansion Loop (Typ.)
Concrete Wall
Brick Sidewalk
Grass
Concrete Wall W/ Aluminum Fence
Edge of Concrete
Trench Drain
N.E.T&T. DUCTS
Chamber & Valve (Rec)
392.44' S52° 19' 05"E
74.65' N09° 49' 42"E
255.46'
512.30' S 5° 55"E
N

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